



PATENTS
112056-0180
P01-1786

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:
Emily Eng et al.

Serial No.: 10/777,979

Filed: February 12, 2004

For: Technique for Increasing the Number
of Persistent Consistency Point Im-
ages in a File System

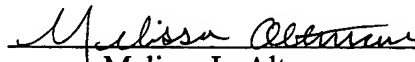
Examiner: Iqbal, Nadeem

Art Unit: 2114

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
July 13, 2005

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Melissa L. Altman

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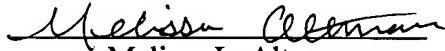
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Sir:

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In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicants wish to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference. The Office may find additionally relevant material in these or other references.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Duane H. Dreger", is written over a horizontal line.

Duane H. Dreger
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/777,979
Filing Date	February 12, 2004
First Named Inventor	Emily Eng et al.
Group Art Unit	2114
Examiner Name	Iqbal, Nadeem
Attorney Docket Number	112056-0180

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,570,217		Allen et al.	02-11-1986	
	2	5,163,131		Row et al.	11-10-1992	
	3	5,202,979		Hillis et al.	04-13-1993	
	4	5,278,979		Foster et al.	01-11-1994	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	5	AKYUREK, SEDAT, <i>Placing Replicated Data to Reduce Seek Delays</i> , Department of Computer Science, University of Maryland, UMIACS-TR-91-121, CS-TR-2746, August 1991.
	6	BITTON, DINA, <i>Disk Shadowing</i> , Proceedings of the 14 th VLDB Conference, LA, CA 1988.
	7	CHAUDHURI, SURAJIT, ET AL., <i>Self-Tuning Technology in Microsoft SQL Server</i> , Data Engineering Journal 22, 2 1999 pp. 20-27.
	8	CHUTANI, SAILESH, ET AL., <i>The Episode File System</i> , In Proceedings of the USENIX Winter 1992.
	9	COYNE, ROBERT A., ET AL., <i>Storage Systems for National Information Assets</i> , Proc. Supercomputing 92, Minneapolis, Nov. 1992, pp. 626-633.
	10	FINLAYSON, ROSS S., ET AL., <i>Log Files: An Extended File Service Exploiting Write-Once Storage</i> Department of Computer Science, Stanford University, Report No. STAN-CS-87-1177, September 1987.
	11	GRAY, JIM, ET AL., <i>The Recovery Manager of the System R Database Manager</i> , ACM Computing Surveys, (13)2:223-242 1981.
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	13	HOWARD, JOHN, H. ET AL., <i>Scale and Performance in a Distributed File System</i> , Carnegie Mellon University, CMU-ITC-87-068, August 1987.

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Date Considered

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Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/777,979</td> </tr> <tr> <td>Filing Date</td> <td>February 12, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Emily Eng et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2114</td> </tr> <tr> <td>Examiner Name</td> <td>Iqbal, Nadeem</td> </tr> <tr> <td>Attorney Docket Number</td> <td>112056-0180</td> </tr> </table>		Application Number	10/777,979	Filing Date	February 12, 2004	First Named Inventor	Emily Eng et al.	Group Art Unit	2114	Examiner Name	Iqbal, Nadeem	Attorney Docket Number	112056-0180
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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	14	HOWARD, JOHN H., <i>An Overview of the Andrew File System</i> , Carnegie Mellon University, CMU-ITC-88-062 1988.	
	15	HOWARD, JOHN, H. ET AL., <i>Scale and Performance in a Distributed File System</i> , ACM Trans. Computer System, 6(1), Feb. 1988 pp. 51-81.	
	16	KAZAR, MICHAEL LEON, <i>Synchronization and Caching Issues in the Andrew File System</i> , Carnegie Mellon University, CMU-ITC-88-063.	
	17	KAZAR, MICHAEL L., ET AL., <i>DEcorum File System Architectural Overview</i> , USENIX Summer Conference, Anaheim, California, 1990.	
	18	KEMPER, ALFONS, ET AL., <i>Performance Tuning for SAP R/3</i> , Data Engineering Journal 22, 2 1999 pp. 33-40.	
	19	KENT, JACK ET AL., <i>Optimizing Shadow Recovery Algorithms</i> , IEEE Transactions on Software Engineering, 14(2): 155-168 , February 1988.	
	20	KISTLER, ET AL., <i>Disconnected Operation in the Coda File System</i> , ACM Transactions on Computer Systems, Vol. 10, No. 1, February 1992, pp 3-25.	
	21	LORIE, RAYMOND, A. <i>Physical Integrity in a Large Segmented Database</i> , ACM Trans. Database Syst., vol. 2, March 1977, pp. 91-104 .	
	22	OUSTERHOUT, JOHN ET AL., <i>Beating the I/O Bottleneck: A Case for Log-Structured File Systems</i> , Technical Report, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley, October 30, 1988.	
	23	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , Technical Report, CSD-87-391, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley 1987.	
	24	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , SIGMOD International Conference on Management of Data, Chicago, IL, USA, 1-3 June 1988, SIGMOD RECORD (17)3:109-16 Sept. 1988.	
	25	PETERSON, ZACHARY NATHANIEL JOSEPH, <i>Data Placement for Copy-on-Write Using Virtual Contiguity</i> , University of CA, Santa Cruz, Master's Thesis for the Department of Science in Computer Science, September 2002.	

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	26	QUINLAN, SEAN, <i>A Cached WORM File System</i> , Software-Practice and Experience, 21(12):1289-1299 1991.	
	27	ROSENBLUM, MENDEL, ET AL., <i>The LFS Storage Manager</i> , Computer Science Division, Electrical Engineering And Computer Sciences, Univ. of CA, presented at Summer '90 USENIX Technical Conference, Anaheim, CA June 1990.	
	28	ROSENBLUM, MENDEL, ET AL. <i>The Design and Implementation of a Log-Structured File System</i> July 24, 1991 pp1-15.	
	29	ROSENBLUM, MENDEL, <i>The Design and Implementation of a Log-Structured File System</i> , 1992 pp. 1-93.	
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	32	SELTZER, MARGO I., ET AL., <i>Journaling Versus Soft Updates: Asynchronous Meta-Data Protection in File Systems</i> , Proceedings of 200 USENIX Annual Technical Conference, 6/18-23/2000.	
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	38	ZAYAS, EDWARD R., <i>AFS-3 Programmer's Reference: Architectural Overview</i> , Transarc Corporation, Pittsburgh, PA, 1.0 edition 1991.	

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